

# XRT Timeline to be uploaded on 2015/02/12

Period: 2015/02/12 10:30:00 - 2015/02/17 09:42:00

\* \* \* \* \*

Normal mode

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## XOB #19E6: AR Standard-A(Filter-Ratio with Al/poly and thin-Be) with PFB, 384x384 at 1064 1048, thin-Be, thick-Al, and Al/Poly context, with G-band (33ms)

| Term                            | Pointing (x, y)                         | Comment                     |
|---------------------------------|---|-----------------------------|
| 02/12 10:43:00 - 02/12 12:09:54 | Track ( 901.2, -111.2) @ 02/12 10:40:00 | # OP start + 10min, AR12280 |
| 02/12 13:43:00 - 02/12 17:47:24 | Track ( 910.3, -114.2) @ 02/12 13:40:00 | # AR12280                   |
| 02/12 18:00:30 - 02/12 23:29:54 | Fixed ( 926.0, -118.0)                  | # AR12280 by fixed          |
| 02/13 02:33:00 - 02/13 05:59:54 | Fixed ( 926.0, -118.0)                  | # AR12280                   |
| 02/13 06:13:00 - 02/13 10:10:30 | Fixed ( 926.0, -118.0)                  | # Cont,                     |
| 02/13 16:20:00 - 02/13 18:04:24 | Fixed ( 926.0, -118.0)                  | # AR12280 by fixed          |
| 02/13 18:17:30 - 02/13 23:59:54 | Fixed ( 926.0, -118.0)                  | # Cont,                     |
| 02/14 03:03:00 - 02/14 06:22:24 | Fixed ( 926.0, -118.0)                  | # AR12280 by fixed          |
| 02/14 06:35:30 - 02/14 09:06:00 | Fixed ( 926.0, -118.0)                  | # Cont,                     |

**PROG= 20 Inf.-time(s)**

- Subr= 1 1-time(s) 2.0sec
  - Seqn= 8 2-time(s) 2.0sec
    - Open/G-band Open/G-band close Safe Norm 44ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
- Subr= 2 2-time(s) 2.0sec
  - Seqn= 24 1-time(s) 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 16.0s Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec
    - Open/G-band Open/G-band open Safe Norm 32ms Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec
  - Seqn= 42 4-time(s) 2.0sec
    - Al-poly/Open thin-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
    - thin-Be/Open med-Be/Open close Safe Norm 5.66s Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec
    - Open/thick-Al Open/thick-Al close Safe Norm 16.0s Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
  - Seqn= 62 8-time(s) 270.0sec
    - thin-Be/Open med-Be/Open close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
    - Al-poly/Open thin-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
    - thin-Be/Open med-Be/Open close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 1 2.0sec
    - Al-poly/Open thin-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 1 2.0sec
    - thin-Be/Open med-Be/Open close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 2 2.0sec
    - Al-poly/Open thin-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 2 2.0sec

| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval |
|----------------|----------------|-----|------|-------|------|-----|-----|--------------------|-------|------------|----------|
|----------------|----------------|-----|------|-------|------|-----|-----|--------------------|-------|------------|----------|

## XOB #1A1C: CME watch - 4x4 - AEC 2 - Al-poly - G-band (2x2,8ms) - Leak (33ms) - 100s cad

| Term                            | Pointing (x, y)                        | Comment                          |
|---------------------------------|--|----------------------------------|
| 02/12 12:13:00 - 02/12 13:39:54 | Track ( 747.9, 367.1) @ 02/12 12:10:00 | # MHD wave observation with IRIS |

**PROG= 05 Inf.-time(s)**

- Subr= 1 60-time(s) 100.0sec
  - Seqn= 78 1-time(s) 4.0sec
    - Al-poly/Open thin-Be/Open close Safe Norm 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 2 0 2.0sec
- Subr= 2 1-time(s) 2.0sec
  - Seqn= 6 1-time(s) 2.0sec
    - Open/G-band Open/G-band open Safe Norm 8ms Obs 2x2 2048x2048 (1024, 1024) Q=90 0 0 2.0sec
    - Open/G-band Open/G-band close Safe Norm 32ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec

| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval |
|----------------|----------------|-----|------|-------|------|-----|-----|--------------------|-------|------------|----------|
|----------------|----------------|-----|------|-------|------|-----|-----|--------------------|-------|------------|----------|

## XOB #1A62: Synoptic Q95 2x2 - Al/mesh(8/128/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Ti-poly(16/362/2048) + Thi

| Term                            | Pointing (x, y)   | Comment                     |
|---------------------------------|-------------------|-----------------------------|
| 02/12 17:50:30 - 02/12 17:57:24 | Fixed ( 0.0, 0.0) | synoptic, shifted -12.5 min |
| 02/13 06:03:00 - 02/13 06:09:54 | Fixed ( 0.0, 0.0) | synoptic                    |
| 02/13 18:07:30 - 02/13 18:14:24 | Fixed ( 0.0, 0.0) | synoptic, shifted 4.5 min   |
| 02/14 06:25:30 - 02/14 06:32:24 | Fixed ( 0.0, 0.0) | synoptic, shifted 22.5 min  |

**PROG= 03 1-time(s)**

- Subr= 1 1-time(s) 12.0sec
  - Seqn= 33 1-time(s) 4.0sec
    - Open/Al-mesh Open/Al-mesh close Safe Norm 8ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - Open/Al-mesh Open/Al-mesh close Safe Norm 125ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - Open/Al-mesh Open/Al-mesh close Safe Norm 1.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
  - Seqn= 5 1-time(s) 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 2048x512 (1024, 1024) DPCM 0 0 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 512x2048 (1024, 1024) DPCM 0 0 2.0sec
  - Seqn= 40 1-time(s) 4.0sec
    - Open/Ti-poly Open/Ti-poly close Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - Open/Ti-poly Open/Ti-poly close Safe Norm 354ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - Open/Ti-poly Open/Ti-poly close Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
  - Seqn= 77 1-time(s) 2.0sec
    - thin-Be/Open thin-Be/Open close Safe Norm 86ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - thin-Be/Open thin-Be/Open close Safe Norm 1.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - thin-Be/Open thin-Be/Open close Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
  - Seqn= 6 1-time(s) 2.0sec

|                |                |       |      |       |      |     |     |                        |       |            |          |        |
|----------------|----------------|-------|------|-------|------|-----|-----|------------------------|-------|------------|----------|--------|
| Open/G-band    | Open/G-band    | open  | Safe | Norm  | 8ms  | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=90  | 0          | 0        | 2.0sec |
| Open/G-band    | Open/G-band    | close | Safe | Norm  | 32ms | Obs | 1x1 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
| Default Filter | Thicker Filter | VLS   | mode | image | Exp. | CCD | Bin | ROI: size (center)     | Comp. | AEC Buffer | Interval |        |

**XOB #19E2: AR Standard-A(Filter-Ratio with Al/poly and thin-Be) with PFB, 384x384 at 1064 1048, thin-Be, thick-Al, and Al/Poly context, with G-band (33ms)**

| Term                            | Pointing (x, y)                         | Comment                      |
|---------------------------------|---|------------------------------|
| 02/12 23:33:00 - 02/13 02:29:54 | Track ( 872.7, -175.6) @ 02/12 23:30:00 | # HOP269 prominence          |
| 02/14 00:03:00 - 02/14 02:37:00 | Fixed ( 914.0, -200.0)                  | # HOP269 prominence by fixed |

**PROG= 06 Inf.-time(s)**

|                |                |         |      |       |       |     |     |                      |       |            |          |        |
|----------------|----------------|---------|------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| Subr= 1        | 1-time(s)      | 2.0sec  |      |       |       |     |     |                      |       |            |          |        |
| Seqn= 8        | 2-time(s)      | 2.0sec  |      |       |       |     |     |                      |       |            |          |        |
| Open/G-band    | Open/G-band    | close   | Safe | Norm  | 44ms  | Obs | 1x1 | 384x384 (1064, 1048) | DPCM  | 0          | 0        | 2.0sec |
| Subr= 2        | 2-time(s)      | 2.0sec  |      |       |       |     |     |                      |       |            |          |        |
| Seqn= 24       | 1-time(s)      | 2.0sec  |      |       |       |     |     |                      |       |            |          |        |
| Open/Ti-poly   | Open/thick-Al  | close   | Safe | Dark  | 16.0s | Obs | 1x1 | 384x384 (1064, 1048) | Q=98  | 0          | 0        | 2.0sec |
| Open/G-band    | Open/G-band    | open    | Safe | Norm  | 32ms  | Obs | 1x1 | 384x384 (1064, 1048) | Q=98  | 0          | 0        | 2.0sec |
| Seqn= 42       | 4-time(s)      | 2.0sec  |      |       |       |     |     |                      |       |            |          |        |
| Al-poly/Open   | thin-Be/Open   | close   | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 0        | 2.0sec |
| thin-Be/Open   | med-Be/Open    | close   | Safe | Norm  | 5.66s | Obs | 1x1 | 512x512 (1064, 1048) | Q=95  | 3          | 0        | 2.0sec |
| Open/thick-Al  | Open/thick-Al  | close   | Safe | Norm  | 16.0s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 0        | 2.0sec |
| Seqn= 62       | 20-time(s)     | 90.0sec |      |       |       |     |     |                      |       |            |          |        |
| thin-Be/Open   | med-Be/Open    | close   | Safe | Norm  | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 0        | 2.0sec |
| Al-poly/Open   | thin-Be/Open   | close   | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 0        | 2.0sec |
| thin-Be/Open   | med-Be/Open    | close   | Safe | Norm  | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 1        | 2.0sec |
| Al-poly/Open   | thin-Be/Open   | close   | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 1        | 2.0sec |
| thin-Be/Open   | med-Be/Open    | close   | Safe | Norm  | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 2        | 2.0sec |
| Al-poly/Open   | thin-Be/Open   | close   | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 2        | 2.0sec |
| Default Filter | Thicker Filter | VLS     | mode | image | Exp.  | CCD | Bin | ROI: size (center)   | Comp. | AEC Buffer | Interval |        |

**XOB #1A1B: HOP81/206 2-filter - Al/poly 6s, Al/mesh 4s 60s cadence, G-band - 384x384 33ms**

| Term                            | Pointing (x, y)        | Comment           |
|---------------------------------|------------------------|-------------------|
| 02/13 10:22:30 - 02/13 16:16:54 | Fixed ( -24.0, -935.0) | # HOP81 at S-pole |

**PROG= 13 Inf.-time(s)**

|                |                |         |      |       |       |     |     |                      |       |            |          |        |
|----------------|----------------|---------|------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| Subr= 1        | 1-time(s)      | 2.0sec  |      |       |       |     |     |                      |       |            |          |        |
| Seqn= 8        | 2-time(s)      | 2.0sec  |      |       |       |     |     |                      |       |            |          |        |
| Open/G-band    | Open/G-band    | close   | Safe | Norm  | 44ms  | Obs | 1x1 | 384x384 (1064, 1048) | DPCM  | 0          | 0        | 2.0sec |
| Subr= 2        | 1-time(s)      | 2.0sec  |      |       |       |     |     |                      |       |            |          |        |
| Seqn= 48       | 1-time(s)      | 30.0sec |      |       |       |     |     |                      |       |            |          |        |
| Open/G-band    | Open/G-band    | open    | Safe | Norm  | 32ms  | Obs | 1x1 | 384x384 (1064, 1048) | Q=90  | 0          | 0        | 2.0sec |
| Subr= 3        | 30-time(s)     | 2.0sec  |      |       |       |     |     |                      |       |            |          |        |
| Seqn= 57       | 1-time(s)      | 60.0sec |      |       |       |     |     |                      |       |            |          |        |
| Open/Al-mesh   | Open/Al-mesh   | close   | Safe | Norm  | 4.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=90  | 0          | 0        | 2.0sec |
| Al-poly/Open   | Al-poly/Open   | close   | Safe | Norm  | 5.66s | Obs | 1x1 | 384x384 (1064, 1048) | Q=90  | 0          | 0        | 2.0sec |
| Default Filter | Thicker Filter | VLS     | mode | image | Exp.  | CCD | Bin | ROI: size (center)   | Comp. | AEC Buffer | Interval |        |

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**Flare mode**

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**XOB #1A61: Flare - multifilter 26 sec cadence (Be/thin, Be/med, Al/thick), AEC 3(thin-Be AEC2), 384x384 + context (med-Al,thick-Be -384x384 + Al-poly 512x512)**

| Term                            | Pointing (x, y)                         | Comment                          |
|---------------------------------|---|----------------------------------|
| 02/12 10:43:00 - 02/12 12:09:54 | Track ( 901.2, -111.2) @ 02/12 10:40:00 | # OP start + 10min, AR12280      |
| 02/12 12:13:00 - 02/12 13:39:54 | Track ( 747.9, 367.1) @ 02/12 12:10:00  | # MHD wave observation with IRIS |
| 02/12 13:43:00 - 02/12 17:47:24 | Track ( 910.3, -114.2) @ 02/12 13:40:00 | # AR12280                        |
| 02/12 18:00:30 - 02/12 23:29:54 | Fixed ( 926.0, -118.0)                  | # AR12280 by fixed               |
| 02/12 23:33:00 - 02/13 02:29:54 | Track ( 872.7, -175.6) @ 02/12 23:30:00 | # HOP269 prominence              |
| 02/13 02:33:00 - 02/13 05:59:54 | Fixed ( 926.0, -118.0)                  | # AR12280                        |
| 02/13 06:13:00 - 02/13 10:10:30 | Fixed ( 926.0, -118.0)                  | # Cont,                          |
| 02/13 10:22:30 - 02/13 16:16:54 | Fixed ( -24.0, -935.0)                  | # HOP81 at S-pole                |
| 02/13 16:20:00 - 02/13 18:04:24 | Fixed ( 926.0, -118.0)                  | # AR12280 by fixed               |
| 02/13 18:17:30 - 02/13 23:59:54 | Fixed ( 926.0, -118.0)                  | # Cont,                          |
| 02/14 00:03:00 - 02/14 02:37:00 | Fixed ( 914.0, -200.0)                  | # HOP269 prominence by fixed     |
| 02/14 03:03:00 - 02/14 06:22:24 | Fixed ( 926.0, -118.0)                  | # AR12280 by fixed               |
| 02/14 06:35:30 - 02/14 09:06:00 | Fixed ( 926.0, -118.0)                  | # Cont,                          |

**PROG= 19 30-time(s)**

|               |                  |         |      |      |       |     |     |                      |      |   |   |        |
|---------------|------------------|---------|------|------|-------|-----|-----|----------------------|------|---|---|--------|
| Subr= 1       | 20-time(s)       | 2.0sec  |      |      |       |     |     |                      |      |   |   |        |
| Seqn= 11      | 1-time(s)        | 2.0sec  |      |      |       |     |     |                      |      |   |   |        |
| Al-poly/Open  | Al-poly/thick-Al | close   | Safe | Norm | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95 | 2 | 0 | 2.0sec |
| Seqn=100      | 1-time(s)        | 10.0sec |      |      |       |     |     |                      |      |   |   |        |
| thin-Be/Open  | med-Be/Open      | close   | Safe | Norm | 125ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 2 | 0 | 2.0sec |
| med-Be/Open   | Open/thick-Al    | close   | Safe | Norm | 250ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec |
| Open/thick-Al | Open/thick-Be    | close   | Safe | Norm | 1.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec |
| Subr= 2       | 1-time(s)        | 2.0sec  |      |      |       |     |     |                      |      |   |   |        |
| Seqn= 10      | 1-time(s)        | 2.0sec  |      |      |       |     |     |                      |      |   |   |        |
| med-Al/Open   | med-Al/thick-Al  | close   | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec |
| Open/thick-Be | Open/thick-Be    | close   | Safe | Norm | 2.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec |
| Seqn= 11      | 1-time(s)        | 2.0sec  |      |      |       |     |     |                      |      |   |   |        |
| Al-poly/Open  | Al-poly/thick-Al | close   | Safe | Norm | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95 | 2 | 0 | 2.0sec |
| Seqn= 15      | 1-time(s)        | 2.0sec  |      |      |       |     |     |                      |      |   |   |        |

|   |                |                |       |      |       |       |     |     |                      |       |            |          |        |
|---|----------------|----------------|-------|------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| } | Open/G-band    | Open/G-band    | open  | Safe | Norm  | 44ms  | Obs | 1x1 | 384x384 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |
|   | Open/thick-Al  | Open/thick-Al  | close | Safe | Dark  | 1.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |
|   | Open/thick-Al  | Open/thick-Al  | close | Safe | Dark  | 1.00s | Obs | 2x2 | 512x512 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |
|   | Default Filter | Thicker Filter | VLS   | mode | image | Exp.  | CCD | Bin | ROI: size (center)   | Comp. | AEC Buffer | Interval |        |

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### Active Region Search

\* \* \* \* \*

NOT USED

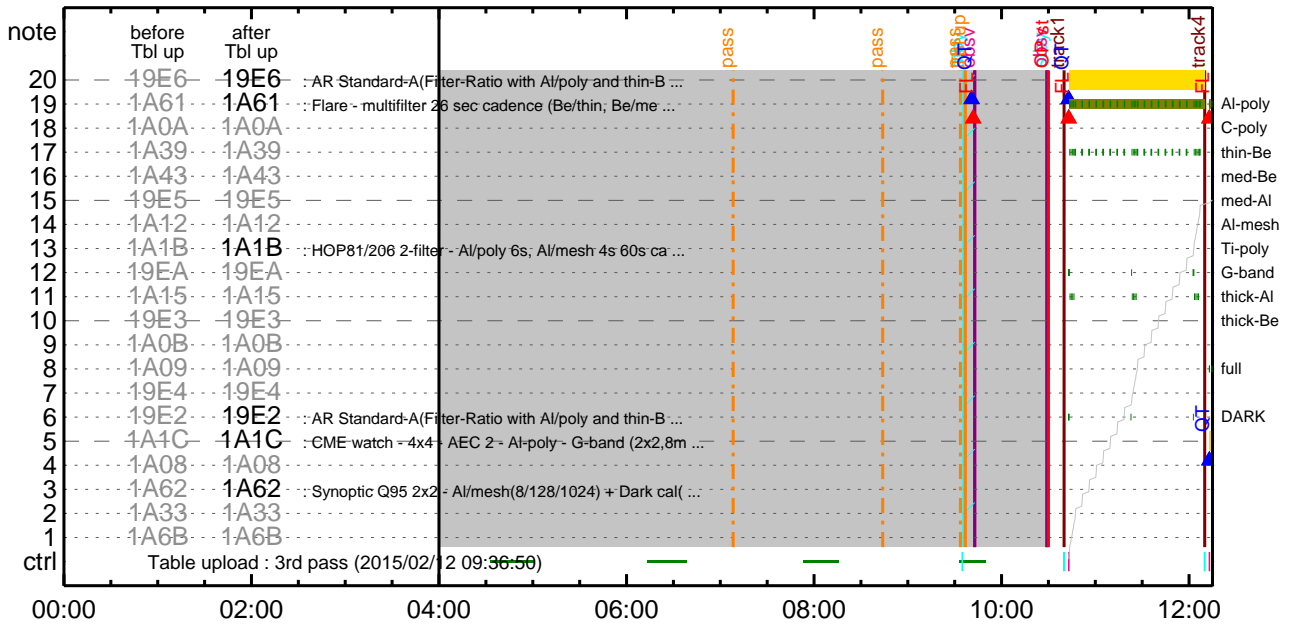
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### Flare Detection

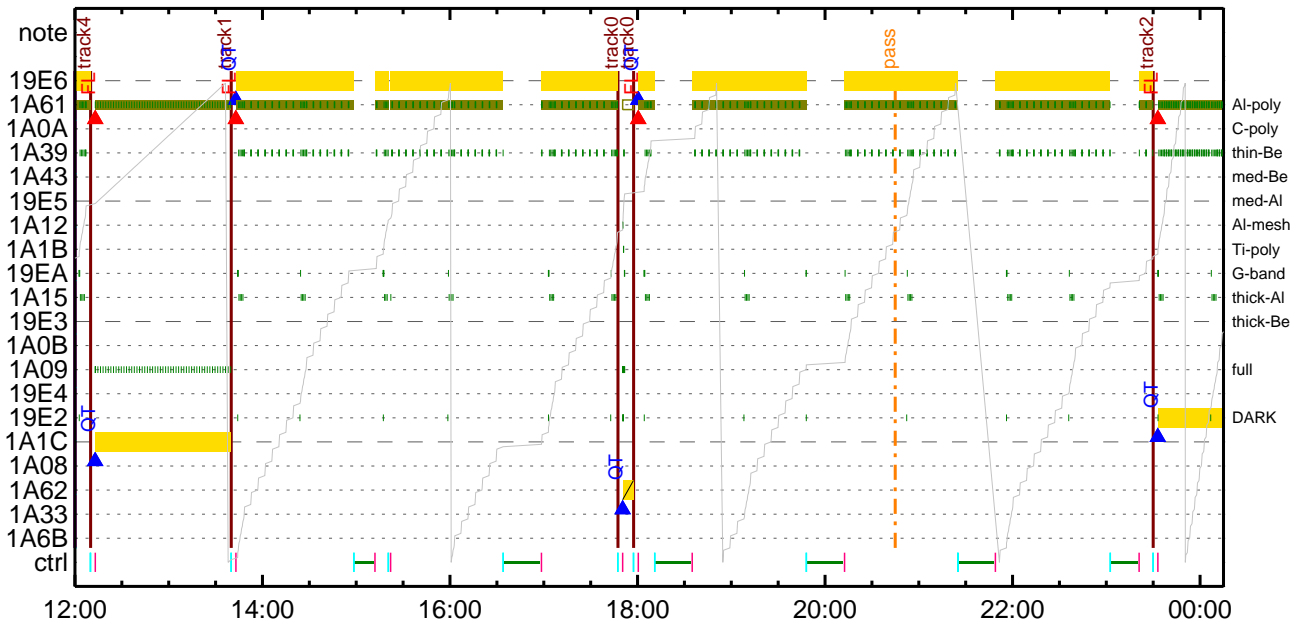
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| FLD Patrol                      |                        |       |      |       |      |     |     |                    |                    |            |          |       |
|---------------------------------|------------------------|-------|------|-------|------|-----|-----|--------------------|--------------------|------------|----------|-------|
| Term                            | Pointing (x, y)        |       |      |       |      |     |     |                    | Comment            |            |          |       |
| 02/12 17:57:48 - 02/13 06:00:18 | Fixed ( 926.0, -118.0) |       |      |       |      |     |     |                    | # AR12280 by fixed |            |          |       |
| 02/13 06:10:18 - 02/13 18:04:48 | Fixed ( 926.0, -118.0) |       |      |       |      |     |     |                    | # Cont,            |            |          |       |
| 02/13 18:14:48 - 02/14 06:22:48 | Fixed ( 926.0, -118.0) |       |      |       |      |     |     |                    | # Cont,            |            |          |       |
| 02/14 06:32:48 - 02/17 09:42:00 | Fixed ( 926.0, -118.0) |       |      |       |      |     |     |                    | # Cont,            |            |          |       |
| Open/Ti-poly                    | Open/thick-Al          | close | Safe | Norm  | 8ms  | Obs | 8x8 |                    |                    | Q=50       |          | 30sec |
| Default Filter                  | Thicker Filter         | VLS   | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp.              | AEC Buffer | Interval |       |

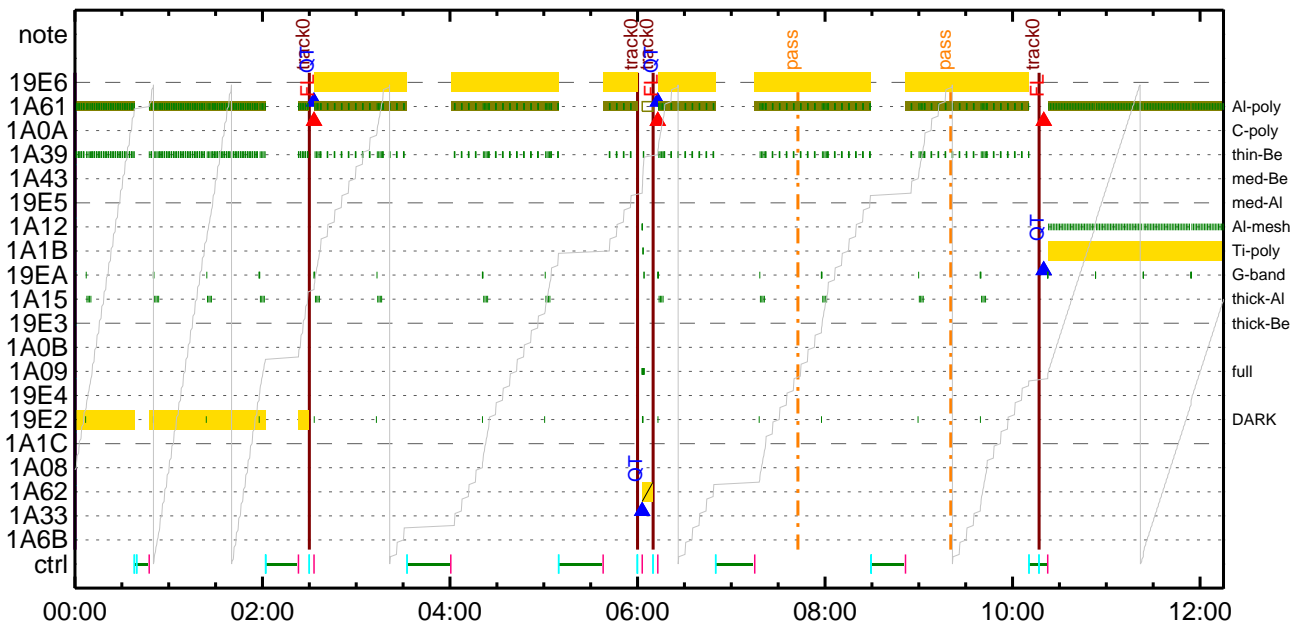
### CMDI #0916 2015/02/12



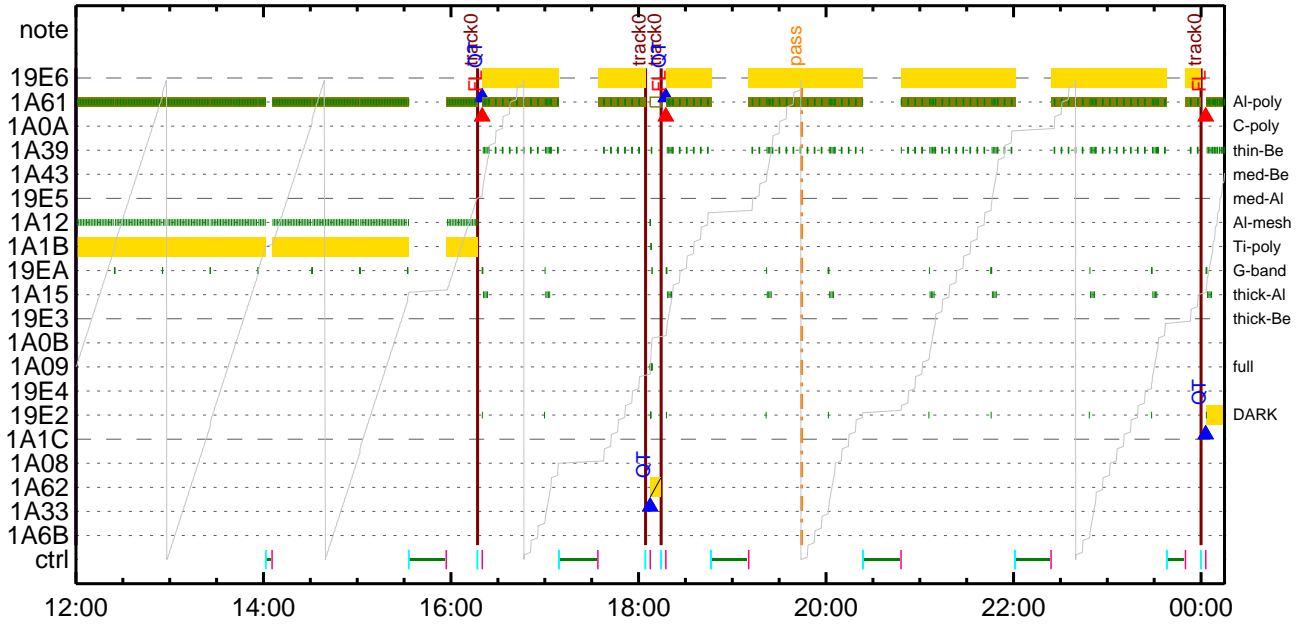
### CMDI #0916 2015/02/12



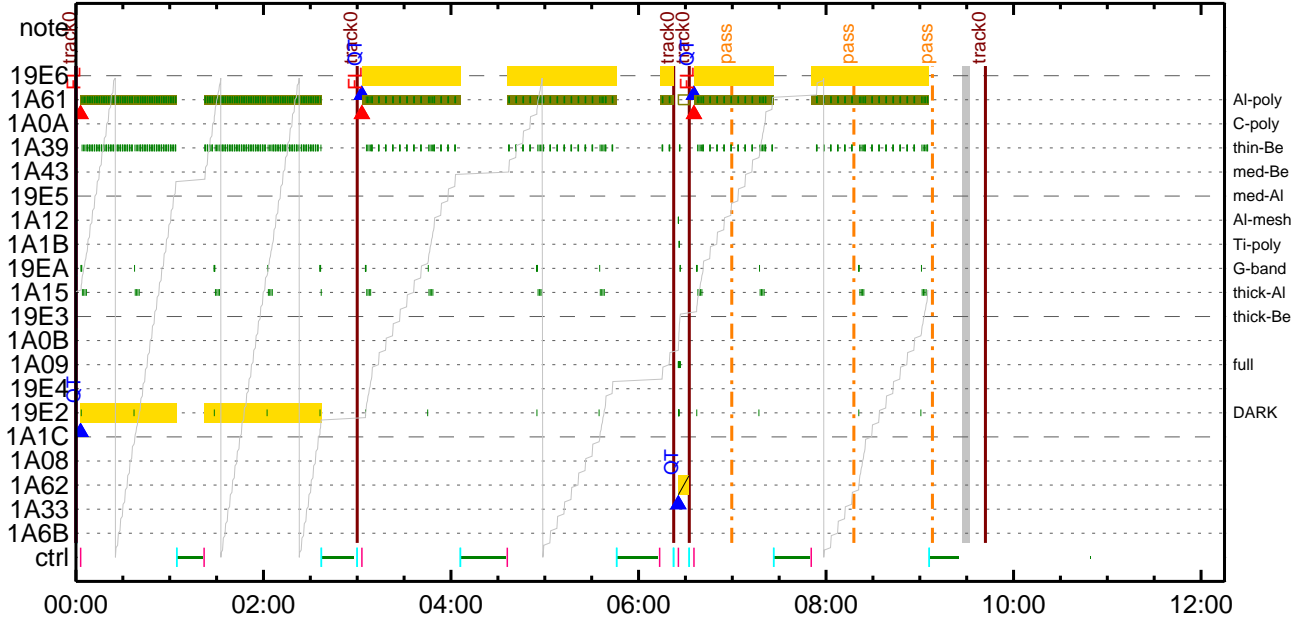
### CMDI #0916 2015/02/13



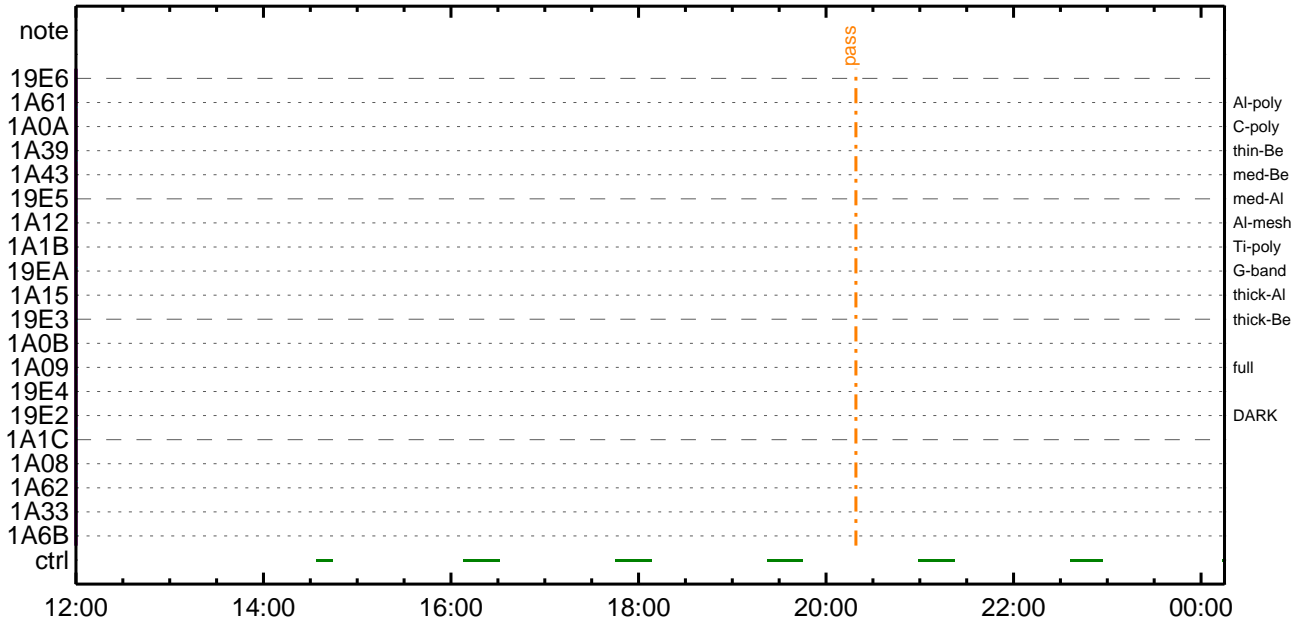
### CMDI #0916 2015/02/13



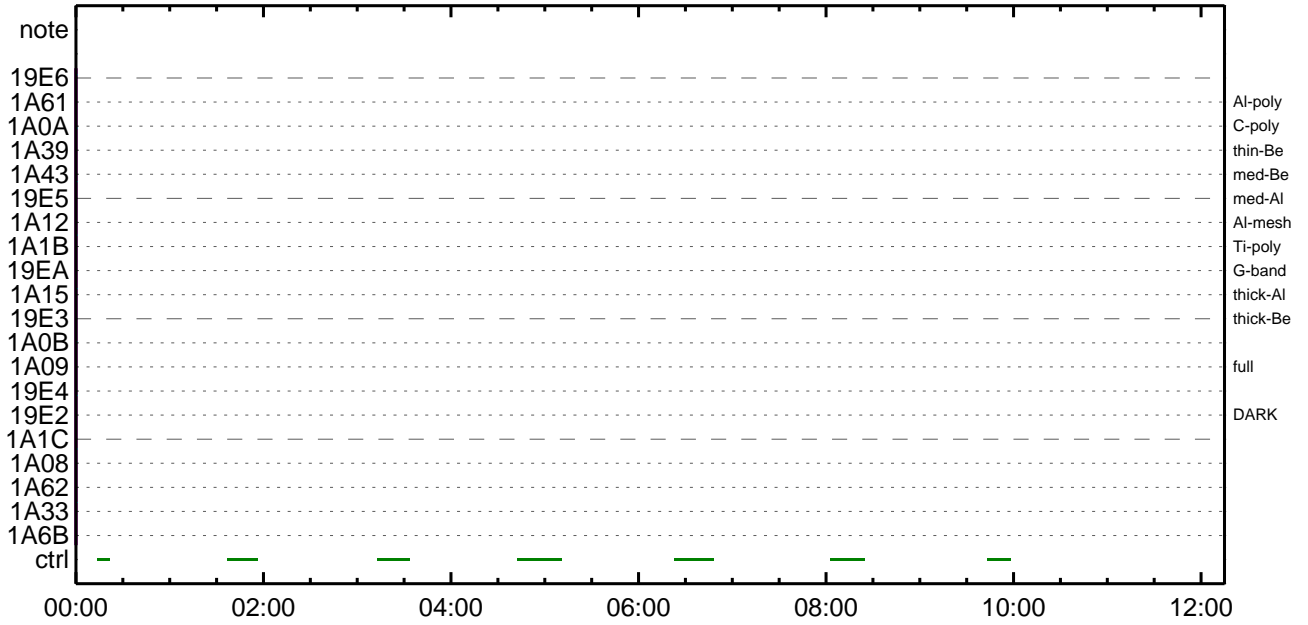
### CMDI #0916 2015/02/14



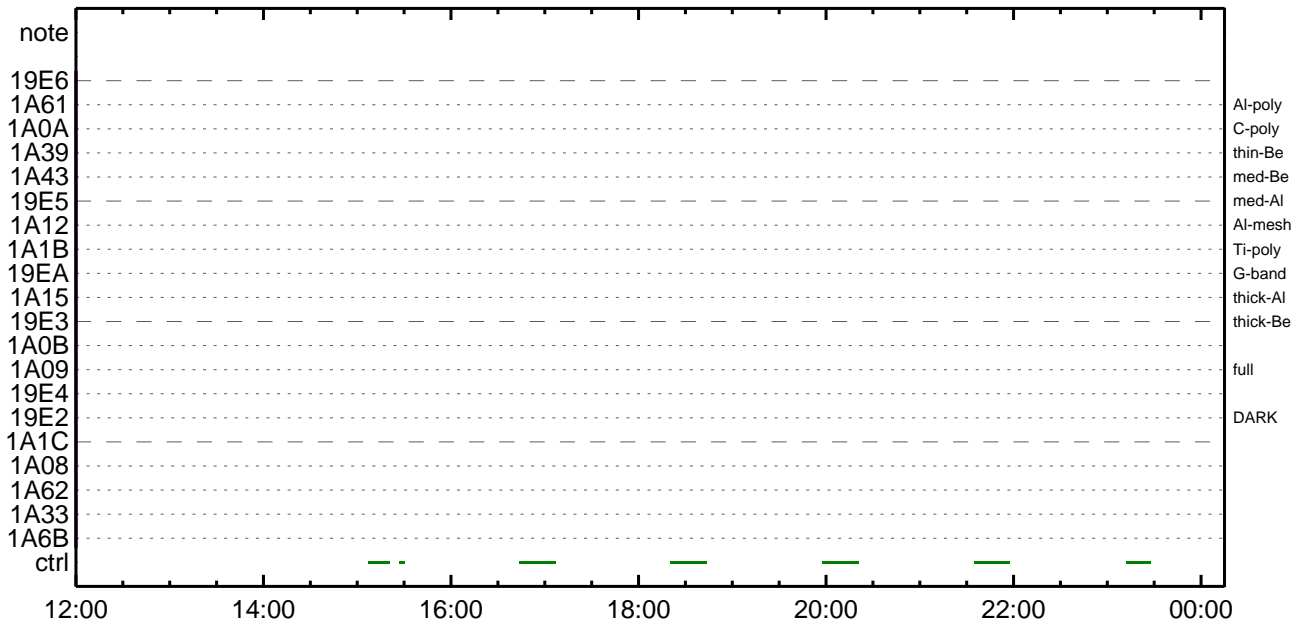
### CMDI #0916 2015/02/14



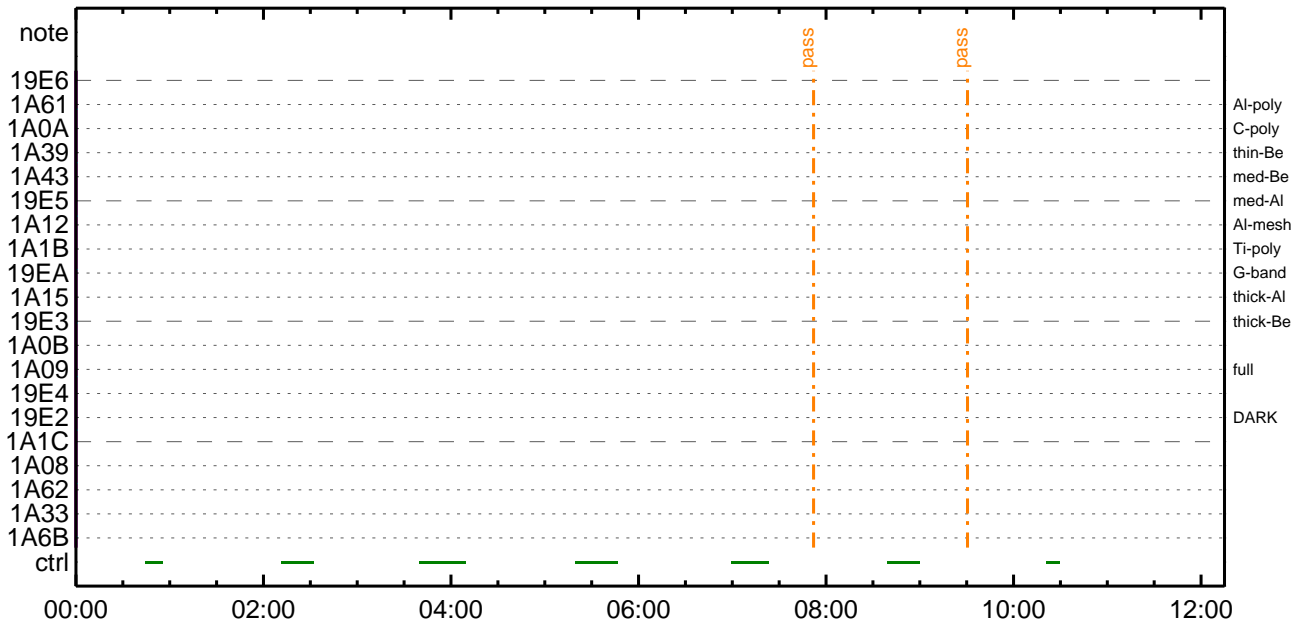
CMDI #0916 2015/02/15



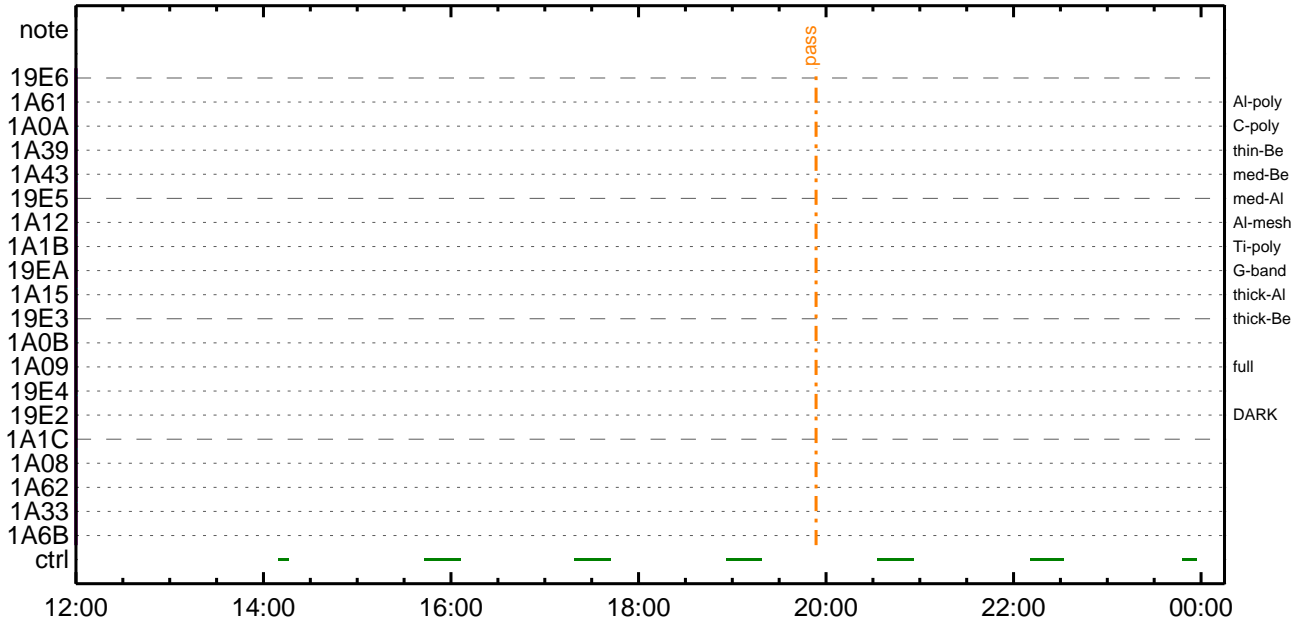
CMDI #0916 2015/02/15



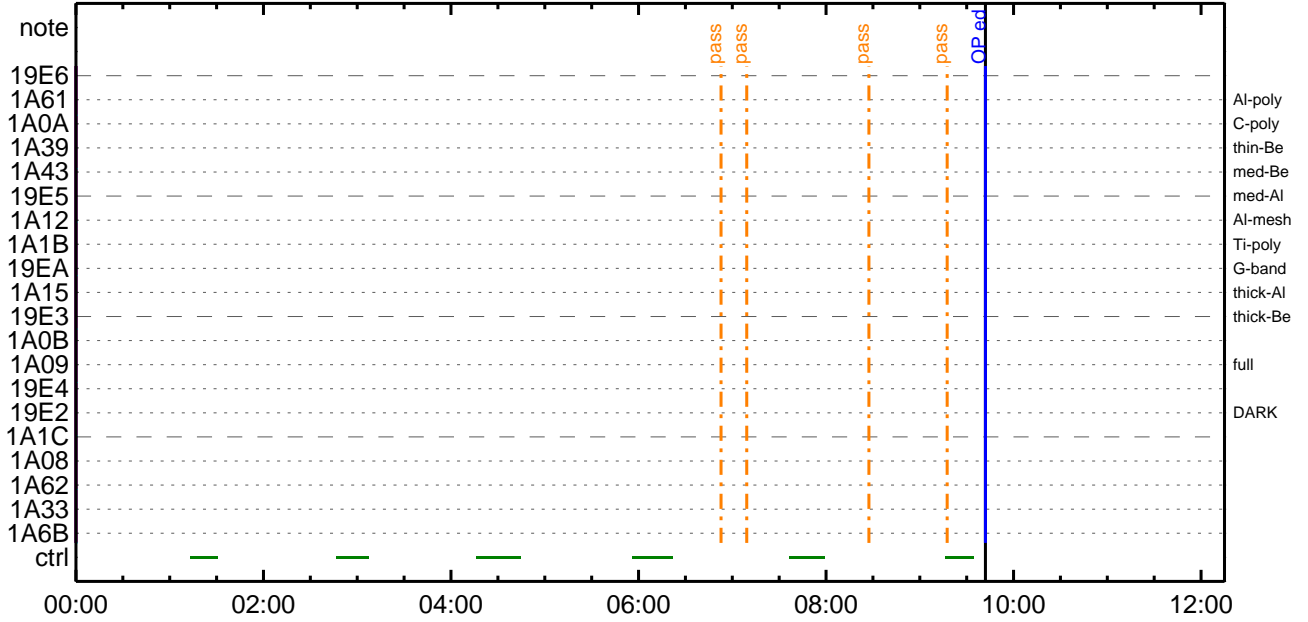
CMDI #0916 2015/02/16



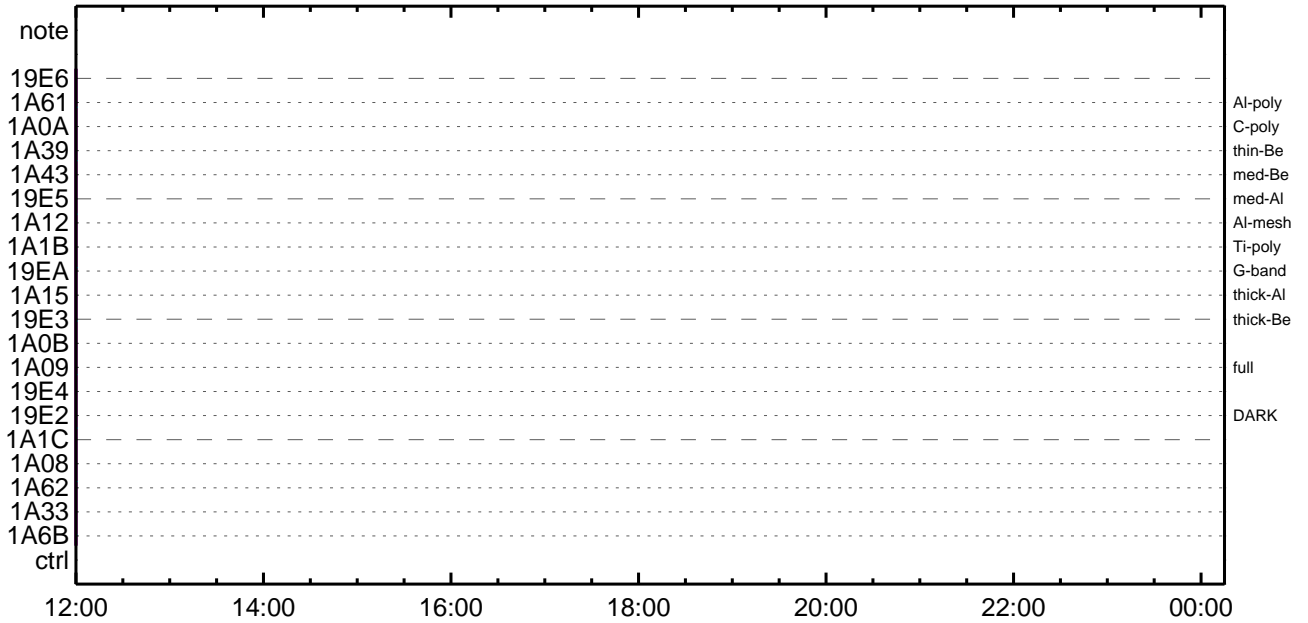
CMDI #0916 2015/02/16



CMDI #0916 2015/02/17



CMDI #0916 2015/02/17







```
0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;|YAYOX
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-940:OP
0104 ( )
0105 S. OG og-940:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°èYAYOX;ã
0109 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0110 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111 BC (20 00 7f 01 02)
0112 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0113 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0114 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. çç[HK1_PKT_FORM_NO] EQ 7
0120 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0124 C. YAYOXx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOGqî½E¹ç.ë²îOKò³îÇ§
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0132 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0133 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0134 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0135 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C. çç[HK1_PKT_FORM_NO] EQ 7
0139 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0140 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0141 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0142 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0143 C. YAYOXx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOGqî½E¹ç.ë²îOKò³îÇ§
0146 C.
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0151 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0152 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0153 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0154 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C. çç[HK1_PKT_FORM_NO] EQ 7
0158 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0159 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0160 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0161 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0162 C. YAYOXx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OPqî½E¹ç.ë²îOKò³îÇ§
0165 C.
0166 C. ***** òE²¼òî½Ã´¶Á°òEÉ-ò°Á÷¿@ (½âµ-YAYOXx½ê½çòðÁÔÃæç½ª°"òE½i¹çòçòâ) *****
0167 C. DHUYâ;4YE;E½Y½, Y½;4YE;Eòðîã¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. çç[HK1_PKT_FORM_NO] EQ 2
0171 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0174 C.
0175 C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 C. NOTICE ;§ OPOG UPLOADò-Á÷¿@NGUî½i¹ç;ç°E²¼òîTI-CMDÁ÷¿@î½Á¹Ôò.òEòòò³òE;f
0180 C. òEò¿;çSETòEDUMPAîE±òîYNY¹ç¹Ôò|ò³òE;f
0181 C.
0182 C. TIY³Y½Y½EòððÁDî¿¿(UT)
0183 +. TI 2015-02-12 10:25:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2015-02-12 10:25:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2015-02-12 10:25:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
```









0096 C.  
0097 . C. \*\*\*\*\* LOS \*\*\*\*\*  
0098 C.

\*\*\* OP Sequence for XRT \*\*\*

```

2015/02/12 10:39:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2015/02/12 10:39:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2015/02/12 10:39:58.0 XRT_FOCUS_POSITION_410_OG [0x19a]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2015/02/12 10:40:00.5 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 01 00 00 00 00
2015/02/12 10:40:18.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2015/02/12 10:40:20.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2015/02/12 10:40:22.0 XRT_AEC_RESET_413_OG [0x19d]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2015/02/12 10:40:24.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2015/02/12 10:40:26.0 XRT_FLD_RESET_407_OG [0x197]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2015/02/12 10:42:56.0 XRT_QT_PROG_SET_435_OG [0x1b3]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 14
2015/02/12 10:42:58.0 XRT_FL_PROG_SET_401_OG [0x191]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 13
2015/02/12 10:43:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2015/02/12 12:09:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2015/02/12 12:09:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2015/02/12 12:09:58.0 XRT_FOCUS_POSITION_410_OG [0x19a]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2015/02/12 12:10:00.0 AOCs_OrE-point_Start_2_OG [0x098]
                        AOCU_NM 5 02-76 04 00 00 00 00
2015/02/12 12:10:18.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2015/02/12 12:10:20.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2015/02/12 12:10:22.0 XRT_AEC_RESET_413_OG [0x19d]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2015/02/12 12:10:24.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2015/02/12 12:10:26.0 XRT_FLD_RESET_407_OG [0x197]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2015/02/12 12:12:56.0 XRT_QT_PROG_SET_404_OG [0x194]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 05
2015/02/12 12:12:58.0 XRT_FL_PROG_SET_401_OG [0x191]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 13
2015/02/12 12:13:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2015/02/12 13:39:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2015/02/12 13:39:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2015/02/12 13:39:58.0 XRT_FOCUS_POSITION_410_OG [0x19a]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2015/02/12 13:40:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 01 00 00 00 00
2015/02/12 13:40:18.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2015/02/12 13:40:20.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2015/02/12 13:40:22.0 XRT_AEC_RESET_413_OG [0x19d]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2015/02/12 13:40:24.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2015/02/12 13:40:26.0 XRT_FLD_RESET_407_OG [0x197]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2015/02/12 13:42:56.0 XRT_QT_PROG_SET_435_OG [0x1b3]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 14
2015/02/12 13:42:58.0 XRT_FL_PROG_SET_401_OG [0x191]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 13
2015/02/12 13:43:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2015/02/12 14:58:30.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2015/02/12 14:58:32.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2015/02/12 14:58:34.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2015/02/12 14:58:36.0 XRT_PREFLR_STRT_439_OG [0x1b7]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2015/02/12 15:01:44.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2015/02/12 15:11:00.0 XRT_Custom_430_OG [0x1ae]
2015/02/12 15:12:00.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2015/02/12 15:20:30.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2015/02/12 15:20:32.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2015/02/12 15:20:34.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da

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Feb 12, 15 11:40

## XRT\_OGLIST\_0916.chk

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|            |            |                                   |   |       |                |  |  |  |  |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2015/02/12 | 15:20:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2015/02/12 | 15:21:00.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2015/02/12 | 15:22:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2015/02/12 | 15:23:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2015/02/12 | 16:34:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/12 | 16:34:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/12 | 16:34:04.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2015/02/12 | 16:34:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2015/02/12 | 16:37:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2015/02/12 | 16:57:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2015/02/12 | 16:58:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2015/02/12 | 17:47:24.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/12 | 17:47:26.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/12 | 17:47:28.0 | XRT_FOCUS_POSITION_403_OG [0x193] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2015/02/12 | 17:47:30.0 | AOCS_Ore-point_Start_3_OG [0x099] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 00 00 00 00 |  |  |  |  |
| 2015/02/12 | 17:47:48.0 | XRT_FLD_DIS_422_OG [0x1a6]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_DIS                   | 1 | 07-F0 | d9             |  |  |  |  |
| 2015/02/12 | 17:50:24.0 | XRT_FLRCTRL_DIS_405_OG [0x195]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_DIS               | 1 | 07-F0 | c9             |  |  |  |  |
| 2015/02/12 | 17:50:26.0 | XRT_ARS_DIS_423_OG [0x1a7]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2015/02/12 | 17:50:28.0 | XRT_QT_PROG_SET_438_OG [0x1b6]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 03          |  |  |  |  |
| 2015/02/12 | 17:50:30.0 | XRT_CTRL_AUTO_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2015/02/12 | 17:57:24.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/12 | 17:57:26.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/12 | 17:57:28.0 | XRT_FOCUS_POSITION_410_OG [0x19a] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00    |  |  |  |  |
| 2015/02/12 | 17:57:30.0 | AOCS_Ore-point_Start_4_OG [0x09a] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 0a 7e ad b3 |  |  |  |  |
| 2015/02/12 | 17:57:48.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |  |  |
| 2015/02/12 | 17:57:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |  |  |
| 2015/02/12 | 17:57:52.0 | XRT_AEC_RESET_413_OG [0x19d]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |  |  |  |  |
| 2015/02/12 | 17:57:54.0 | XRT_ARS_DIS_423_OG [0x1a7]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2015/02/12 | 17:57:56.0 | XRT_FLD_RESET_407_OG [0x197]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2015/02/12 | 18:00:26.0 | XRT_QT_PROG_SET_435_OG [0x1b3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 14          |  |  |  |  |
| 2015/02/12 | 18:00:28.0 | XRT_FL_PROG_SET_401_OG [0x191]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 13          |  |  |  |  |
| 2015/02/12 | 18:00:30.0 | XRT_CTRL_AUTO_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2015/02/12 | 18:11:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/12 | 18:11:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/12 | 18:11:04.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2015/02/12 | 18:11:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2015/02/12 | 18:14:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2015/02/12 | 18:34:00.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2015/02/12 | 18:35:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2015/02/12 | 19:48:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/12 | 19:48:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/12 | 19:48:04.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2015/02/12 | 19:48:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2015/02/12 | 19:51:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2015/02/12 | 20:11:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2015/02/12 | 20:12:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2015/02/12 | 21:25:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/12 | 21:25:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/12 | 21:25:04.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |



|            |            |                                   |                     |   |       |                |  |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|
| 2015/02/12 | 21:25:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2015/02/12 | 21:28:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2015/02/12 | 21:48:00.0 | XRT_Custom_430_OG [0x1ae]         | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2015/02/12 | 21:49:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2015/02/12 | 23:02:30.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2015/02/12 | 23:02:32.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2015/02/12 | 23:02:34.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2015/02/12 | 23:02:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2015/02/12 | 23:05:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2015/02/12 | 23:20:00.0 | XRT_Custom_430_OG [0x1ae]         | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2015/02/12 | 23:21:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2015/02/12 | 23:29:54.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2015/02/12 | 23:29:56.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2015/02/12 | 23:29:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97 00    |  |
| 2015/02/12 | 23:30:00.0 | AOCS_Ore-point_Start_5_OG [0x09b] | AOCU_NM             | 5 | 02-76 | 02 00 00 00 00 |  |
| 2015/02/12 | 23:30:18.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |
| 2015/02/12 | 23:30:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |
| 2015/02/12 | 23:30:22.0 | XRT_AEC_RESET_413_OG [0x19d]      | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |
| 2015/02/12 | 23:30:24.0 | XRT_ARS_DIS_423_OG [0x1a7]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |
| 2015/02/12 | 23:30:26.0 | XRT_FLD_RESET_407_OG [0x197]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2015/02/12 | 23:32:56.0 | XRT_QT_PROG_SET_442_OG [0x1ba]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 06          |  |
| 2015/02/12 | 23:32:58.0 | XRT_FL_PROG_SET_401_OG [0x191]    | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 13          |  |
| 2015/02/12 | 23:33:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2015/02/13 | 00:38:00.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2015/02/13 | 00:38:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2015/02/13 | 00:38:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2015/02/13 | 00:38:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2015/02/13 | 00:39:30.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2015/02/13 | 00:39:32.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2015/02/13 | 00:39:34.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2015/02/13 | 00:39:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2015/02/13 | 00:41:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2015/02/13 | 00:42:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2015/02/13 | 00:46:30.0 | XRT_Custom_430_OG [0x1ae]         | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2015/02/13 | 00:47:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2015/02/13 | 02:02:00.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2015/02/13 | 02:02:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2015/02/13 | 02:02:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2015/02/13 | 02:02:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2015/02/13 | 02:05:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2015/02/13 | 02:22:00.0 | XRT_Custom_430_OG [0x1ae]         | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2015/02/13 | 02:23:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2015/02/13 | 02:29:54.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2015/02/13 | 02:29:56.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2015/02/13 | 02:29:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97 00    |  |
| 2015/02/13 | 02:30:00.0 | AOCS_Ore-point_Start_4_OG [0x09a] | AOCU_NM             | 5 | 02-76 | 00 0a 7e ad b3 |  |
| 2015/02/13 | 02:30:18.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |
| 2015/02/13 | 02:30:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |



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|            |            |                                   |   |       |                |  |  |  |  |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2015/02/13 | 08:29:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/13 | 08:29:32.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/13 | 08:29:34.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2015/02/13 | 08:29:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2015/02/13 | 08:32:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2015/02/13 | 08:50:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2015/02/13 | 08:51:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2015/02/13 | 10:10:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/13 | 10:10:32.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/13 | 10:10:34.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2015/02/13 | 10:10:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2015/02/13 | 10:13:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2015/02/13 | 10:16:54.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/13 | 10:16:56.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/13 | 10:16:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00    |  |  |  |  |
| 2015/02/13 | 10:17:00.0 | AOCS_Ore-point_Start_6_OG [0x09c] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 53 1a 02 24 |  |  |  |  |
| 2015/02/13 | 10:17:18.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |  |  |
| 2015/02/13 | 10:17:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |  |  |
| 2015/02/13 | 10:17:22.0 | XRT_AEC_RESET_413_OG [0x19d]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |  |  |  |  |
| 2015/02/13 | 10:17:24.0 | XRT_ARS_DIS_423_OG [0x1a7]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2015/02/13 | 10:17:26.0 | XRT_FLD_RESET_407_OG [0x197]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2015/02/13 | 10:19:56.0 | XRT_QT_PROG_SET_417_OG [0x1a1]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 0d          |  |  |  |  |
| 2015/02/13 | 10:19:58.0 | XRT_FL_PROG_SET_401_OG [0x191]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 13          |  |  |  |  |
| 2015/02/13 | 10:21:30.5 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2015/02/13 | 10:22:30.5 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2015/02/13 | 14:01:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/13 | 14:01:32.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/13 | 14:01:34.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2015/02/13 | 14:01:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2015/02/13 | 14:04:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2015/02/13 | 14:04:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2015/02/13 | 14:05:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2015/02/13 | 15:33:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/13 | 15:33:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/13 | 15:33:04.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2015/02/13 | 15:33:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2015/02/13 | 15:36:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2015/02/13 | 15:56:00.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2015/02/13 | 15:57:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2015/02/13 | 16:16:54.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/13 | 16:16:56.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2015/02/13 | 16:16:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00    |  |  |  |  |
| 2015/02/13 | 16:17:00.0 | AOCS_Ore-point_Start_4_OG [0x09a] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 0a 7e ad b3 |  |  |  |  |
| 2015/02/13 | 16:17:18.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |  |  |
| 2015/02/13 | 16:17:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |  |  |
| 2015/02/13 | 16:17:22.0 | XRT_AEC_RESET_413_OG [0x19d]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |  |  |  |  |
| 2015/02/13 | 16:17:24.0 | XRT_ARS_DIS_423_OG [0x1a7]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2015/02/13 | 16:17:26.0 | XRT_FLD_RESET_407_OG [0x197]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2015/02/13 | 16:19:56.0 | XRT_QT_PROG_SET_435_OG [0x1b3]    |   |       |                |  |  |  |  |

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|            |            |                                   |                     |   |       |             |    |
|------------|------------|-----------------------------------|---------------------|---|-------|-------------|----|
| 2015/02/13 | 16:19:58.0 | XRT_FL_PROG_SET_401_OG [0x191]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4          | 14 |
|            |            |                                   | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5          | 13 |
| 2015/02/13 | 16:20:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0          |    |
| 2015/02/13 | 17:09:00.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2015/02/13 | 17:09:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2015/02/13 | 17:09:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da          |    |
| 2015/02/13 | 17:09:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8          |    |
| 2015/02/13 | 17:12:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9          |    |
| 2015/02/13 | 17:33:00.0 | XRT_Custom_430_OG [0x1ae]         |                     |   |       |             |    |
| 2015/02/13 | 17:34:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0          |    |
| 2015/02/13 | 18:04:24.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2015/02/13 | 18:04:26.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2015/02/13 | 18:04:28.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa    | 00 |
| 2015/02/13 | 18:04:30.0 | AOCS_ORe-point_Start_3_OG [0x099] | AOCU_NM             | 5 | 02-76 | 00 00 00 00 | 00 |
| 2015/02/13 | 18:04:48.0 | XRT_FLD_DIS_422_OG [0x1a6]        | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9          |    |
| 2015/02/13 | 18:07:24.0 | XRT_FLRCTRL_DIS_405_OG [0x195]    | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9          |    |
| 2015/02/13 | 18:07:26.0 | XRT_ARS_DIS_423_OG [0x1a7]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5          |    |
| 2015/02/13 | 18:07:28.0 | XRT_QT_PROG_SET_438_OG [0x1b6]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4          | 03 |
| 2015/02/13 | 18:07:30.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0          |    |
| 2015/02/13 | 18:14:24.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2015/02/13 | 18:14:26.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2015/02/13 | 18:14:28.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97    | 00 |
| 2015/02/13 | 18:14:30.0 | AOCS_ORe-point_Start_4_OG [0x09a] | AOCU_NM             | 5 | 02-76 | 00 0a 7e ad | b3 |
| 2015/02/13 | 18:14:48.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8          |    |
| 2015/02/13 | 18:14:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8          |    |
| 2015/02/13 | 18:14:52.0 | XRT_AEC_RESET_413_OG [0x19d]      | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0          |    |
| 2015/02/13 | 18:14:54.0 | XRT_ARS_DIS_423_OG [0x1a7]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5          |    |
| 2015/02/13 | 18:14:56.0 | XRT_FLD_RESET_407_OG [0x197]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da          |    |
| 2015/02/13 | 18:17:26.0 | XRT_QT_PROG_SET_435_OG [0x1b3]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4          | 14 |
| 2015/02/13 | 18:17:28.0 | XRT_FL_PROG_SET_401_OG [0x191]    | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5          | 13 |
| 2015/02/13 | 18:17:30.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0          |    |
| 2015/02/13 | 18:46:30.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2015/02/13 | 18:46:32.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2015/02/13 | 18:46:34.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da          |    |
| 2015/02/13 | 18:46:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8          |    |
| 2015/02/13 | 18:49:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9          |    |
| 2015/02/13 | 19:09:30.0 | XRT_Custom_430_OG [0x1ae]         |                     |   |       |             |    |
| 2015/02/13 | 19:10:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0          |    |
| 2015/02/13 | 20:23:30.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2015/02/13 | 20:23:32.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2015/02/13 | 20:23:34.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da          |    |
| 2015/02/13 | 20:23:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8          |    |
| 2015/02/13 | 20:26:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9          |    |
| 2015/02/13 | 20:47:00.0 | XRT_Custom_430_OG [0x1ae]         |                     |   |       |             |    |
| 2015/02/13 | 20:48:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0          |    |
| 2015/02/13 | 22:01:00.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2015/02/13 | 22:01:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2015/02/13 | 22:01:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da          |    |
| 2015/02/13 | 22:01:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |                     |   |       |             |    |

|            |            |                                   |                     |   |       |                |  |  |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|--|
| 2015/02/13 | 22:04:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e8             |  |  |
| 2015/02/13 | 22:23:00.0 | XRT_Custom_430_OG [0x1ae]         | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2015/02/13 | 22:24:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2015/02/13 | 23:38:00.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/13 | 23:38:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/13 | 23:38:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2015/02/13 | 23:38:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |
| 2015/02/13 | 23:41:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2015/02/13 | 23:49:00.0 | XRT_Custom_430_OG [0x1ae]         | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2015/02/13 | 23:50:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2015/02/13 | 23:59:54.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/13 | 23:59:56.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/13 | 23:59:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 00:00:00.0 | AOCS_ORe-point_Start_7_OG [0x09d] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97 00    |  |  |
| 2015/02/14 | 00:00:18.0 | XRT_FLD_ENA_411_OG [0x19b]        | AOCU_NM             | 5 | 02-76 | 00 11 ca ae c1 |  |  |
| 2015/02/14 | 00:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |  |
| 2015/02/14 | 00:00:22.0 | XRT_AEC_RESET_413_OG [0x19d]      | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |  |
| 2015/02/14 | 00:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7]        | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |  |
| 2015/02/14 | 00:00:26.0 | XRT_FLD_RESET_407_OG [0x197]      | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |  |
| 2015/02/14 | 00:02:56.0 | XRT_QT_PROG_SET_442_OG [0x1ba]    | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2015/02/14 | 00:02:58.0 | XRT_FL_PROG_SET_401_OG [0x191]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 06          |  |  |
| 2015/02/14 | 00:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 13          |  |  |
| 2015/02/14 | 01:04:30.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2015/02/14 | 01:04:32.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 01:04:34.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 01:04:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2015/02/14 | 01:07:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |
| 2015/02/14 | 01:21:00.0 | XRT_Custom_430_OG [0x1ae]         | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2015/02/14 | 01:22:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2015/02/14 | 02:37:00.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2015/02/14 | 02:37:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 02:37:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 02:37:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2015/02/14 | 02:40:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |
| 2015/02/14 | 02:59:54.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2015/02/14 | 02:59:56.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 02:59:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 03:00:00.0 | AOCS_ORe-point_Start_4_OG [0x09a] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97 00    |  |  |
| 2015/02/14 | 03:00:18.0 | XRT_FLD_ENA_411_OG [0x19b]        | AOCU_NM             | 5 | 02-76 | 00 0a 7e ad b3 |  |  |
| 2015/02/14 | 03:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |  |
| 2015/02/14 | 03:00:22.0 | XRT_AEC_RESET_413_OG [0x19d]      | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |  |
| 2015/02/14 | 03:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7]        | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |  |
| 2015/02/14 | 03:00:26.0 | XRT_FLD_RESET_407_OG [0x197]      | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |  |
| 2015/02/14 | 03:02:56.0 | XRT_QT_PROG_SET_435_OG [0x1b3]    | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2015/02/14 | 03:02:58.0 | XRT_FL_PROG_SET_401_OG [0x191]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14          |  |  |
| 2015/02/14 | 03:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 13          |  |  |
| 2015/02/14 | 04:06:00.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2015/02/14 | 04:06:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |

|            |            |                                   |                     |   |       |                |  |  |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|--|
| 2015/02/14 | 04:06:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 04:06:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2015/02/14 | 04:09:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |
| 2015/02/14 | 04:35:00.0 | XRT_Custom_430_OG [0x1ae]         | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2015/02/14 | 04:36:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2015/02/14 | 05:46:00.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 05:46:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 05:46:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 05:46:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2015/02/14 | 05:49:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |
| 2015/02/14 | 05:49:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2015/02/14 | 06:12:30.0 | XRT_Custom_430_OG [0x1ae]         | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2015/02/14 | 06:13:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2015/02/14 | 06:22:24.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 06:22:26.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 06:22:28.0 | XRT_FOCUS_POSITION_403_OG [0x193] | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 06:22:30.5 | AOCS_Ore-point_Start_3_OG [0x099] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |  |  |
| 2015/02/14 | 06:22:48.0 | XRT_FLD_DIS_422_OG [0x1a6]        | AOCU_NM             | 5 | 02-76 | 00 00 00 00 00 |  |  |
| 2015/02/14 | 06:25:24.0 | XRT_FLRCTRL_DIS_405_OG [0x195]    | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9             |  |  |
| 2015/02/14 | 06:25:26.0 | XRT_ARS_DIS_423_OG [0x1a7]        | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9             |  |  |
| 2015/02/14 | 06:25:28.0 | XRT_QT_PROG_SET_438_OG [0x1b6]    | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |  |
| 2015/02/14 | 06:25:30.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 03          |  |  |
| 2015/02/14 | 06:32:24.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2015/02/14 | 06:32:26.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 06:32:28.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 06:32:30.0 | AOCS_Ore-point_Start_4_OG [0x09a] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97 00    |  |  |
| 2015/02/14 | 06:32:48.0 | XRT_FLD_ENA_411_OG [0x19b]        | AOCU_NM             | 5 | 02-76 | 00 0a 7e ad b3 |  |  |
| 2015/02/14 | 06:32:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |  |
| 2015/02/14 | 06:32:52.0 | XRT_AEC_RESET_413_OG [0x19d]      | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |  |
| 2015/02/14 | 06:32:54.0 | XRT_ARS_DIS_423_OG [0x1a7]        | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |  |
| 2015/02/14 | 06:32:56.0 | XRT_FLD_RESET_407_OG [0x197]      | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |  |
| 2015/02/14 | 06:35:26.0 | XRT_QT_PROG_SET_435_OG [0x1b3]    | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2015/02/14 | 06:35:28.0 | XRT_FL_PROG_SET_401_OG [0x191]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14          |  |  |
| 2015/02/14 | 06:35:30.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 13          |  |  |
| 2015/02/14 | 07:26:30.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2015/02/14 | 07:26:32.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 07:26:34.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 07:26:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2015/02/14 | 07:29:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |
| 2015/02/14 | 07:49:30.0 | XRT_Custom_430_OG [0x1ae]         | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2015/02/14 | 07:50:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2015/02/14 | 09:06:00.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2015/02/14 | 09:06:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 09:06:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2015/02/14 | 09:06:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2015/02/14 | 09:09:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |
| 2015/02/14 | 09:42:00.0 | AOCS_Ore-point_Start_3_OG [0x099] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
|            |            | AOCU_NM                           |                     | 5 | 02-76 | 00 00 00 00 00 |  |  |